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From: CN=Stephanie Vaughn/OU=R2/O=USEPA/C=US
Sent: Tue 8/21/2012 12:43:46 PM
Subject: High volume CWCM QAPP, Comment 97....

Hi Rob,

On our call last week, Robert Kennedy asked for clarification on EPA Comment No. 97. We reviewed the comment and here is some additional information:

Comment 97: (c) Last sentence: What is the relevance to the target constituents in the media sampled? Could the solids have been captured but not detected by the lab instruments/analytical method?

The relevant paragraph in the PUF vs. XAD comparison memo is:

"Combined recoveries based on separated solids and solid-phase extraction of the colloidal DS were poor, and when compared to the recovery of the colloidal SS, suggest that the materials associated with colloids are partially captured as solids but do not have sufficient opportunity to equilibrate with the sorbent media under dynamic conditions. This conclusion is independent of the sorbent media type and is very likely to affect any alternative sampling protocols that rely on solid-phase extraction as well as separation of bulk solids."

The first part of the comment is asking the CPG to make conclusions about the likely recovery of colloid-associated contaminants and target contaminants in general from the LPR and NBSA surface water, based on the difficulty in recovering the spiking compounds from the colloidal silica in a dynamic spiking scenario. The second part of the comment is asking the CPG to attempt to identify any possible contribution of extraction and analytical procedures to the low recoveries associated with the colloidal silica dynamic spike. The memo itself suggests at the bottom of the second full paragraph on page 2 that the colloidal spike is passing through the adsorbent media without extraction (insufficient residence time in the cartridge in a dynamic spiking scenario).

Hope this helps....let me know if you have any questions.

Thanks,
Stephanie

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